NC/QC/YD-W2/2019-20/KC-PCC1 **Date: 08-05-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Y.R.Sridhar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.50	0 -20	30- 70
10mm	34.80	0 -5	10- 35
4.75mm	3.25	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.80	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	86.25	60-95	75-100	85-100	
01.18	62.45	30-70	55-90	75-100	
600.mic	58.90	15-34	35-59	60-79	
300.mic	19.25	5-20	8-30	12-40	
150.mic	6.30	0-10	0-10	0-10	

KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

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NC/QC/YD-W2/2019-20/KC-S1 Date: 13-05-2019

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 and 12mm **TMT Steel.**
{Project*: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Y.R.Sridhar, Bangalore.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.626**	0.567	**0.894**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**532.0**	500.0	**547.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**20.90**	12.00	**21.60**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**627.0**	545.0	**631.0**	545.0

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